

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
I-HSIEH WONG	06/05/2015
HUNG-YU YEH	06/03/2015
CHEE WEE LIU	06/05/2015
SAMUEL C. PAN	06/06/2015
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	No. 8, Li-Hsin Rd. 6
<b>Internal Address:</b>	Science-Based Industrial Park
<b>City:</b>	Hsin-Chu
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300-77
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14739931
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<b>NAME OF SUBMITTER:</b>	SHERRY L. COLGROVE
<b>SIGNATURE:</b>	/SHERRY L COLGROVE/
<b>DATE SIGNED:</b>	07/07/2015
<b>Total Attachments: 1</b>	



## ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made; and

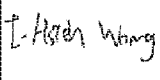
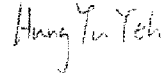

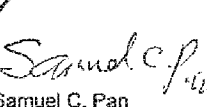
WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC), a corporation organized and existing under the laws of Taiwan, with its principal office at No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, and National Taiwan University (NTU), a university organized and existing under the laws of Taiwan, with its principal office at No. 1, Sec. 4, Roosevelt Rd., Zhongzheng Dist., Taipei City, Taiwan 100, (Assignees) are desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to said Assignees, its successors and assigns, my entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all future non-provisional applications including divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to said Assignees, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

I also hereby sell and assign to Assignees, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said Assignees, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said Assignees, its legal representatives, successors, or assigns, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said Assignees, its legal representatives, successors, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

TITLE OF INVENTION	Field Effect Transistors and Methods of Forming Same			
SIGNATURE OF INVENTOR AND NAME	 I-Hsieh Wong	 Hung-Yu Yeh	 Chee Wee Liu	 Samuel C. Pan
DATE	2015/06/05	2015/06/05	2015/06/05	June 9, 2015
RESIDENCE	Kaohsiung, Taiwan	Taichung City, Taiwan	Taipei, Taiwan	Hsin-Chu, Taiwan